

What Is Claimed Is:

1. A digital camera, comprising:

an image pickup portion which converts light from an object to be photographed, into image data;

a producing device which produces characteristic data from the image data;

a secret key-recording portion which records a secret key to be used for encrypting data so that encrypted data can be decrypted by a public key;

an encrypting device which encrypts the characteristic data with the secret key;

an embedding device which embeds encrypted characteristic data into the image data;

a recording medium which records the image data having the characteristic data embedded therein; and

a transmitting device which transmits the secret key from an external recording medium.

2. A digital camera, comprising:

an image pickup portion which converts light from an object to be photographed, into image data;

a producing device which produces characteristic data from the image data;

a secret key-recording portion which records a secret key to be used for encrypting data so that encrypted data can be decrypted by a public key;

watermarked  
data





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27           a comparing device which compares the  
28       decrypted first characteristic data with the second  
29       characteristic data.

1           6. The image falsification detection system of  
2       claim 5, further comprising a recording device  
3       which records a plurality of public keys  
4       corresponding to a plurality of secret keys.

1           7. The image falsification detection system of  
2       claim 5, further comprising a transmitting device  
3       which transmits the secret key from an external  
4       recording medium.

1           8. The image falsification detection system of  
2       claim 5, wherein the secret key is recorded in the  
3       secret key-recording portion in a form of a hidden  
4       attribute.